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April 6, 2020

**ITB 2020-025  
SOLOMONS ISLAND HEADWORKS PUMPING STATION UPGRADE  
CALVERT COUNTY, MARYLAND**

**QUESTIONS AND ANSWERS/CLARIFICATION NO. 3**

Following are questions and answers/clarification for the above-referenced Invitation to Bid. Acknowledge receipt of this document by executing the signature block provided on each page. **This completed and signed document should be included with your bid.** Failure to do so may subject bidder to disqualification.

1. Specifications for the pressure transmitters are very vague, and I am seeking clarification on what are required.
  - a. Are there are any recommended or required manufacturers, or models? **Yes. Endress & Hauser PMD 700, Rosemount Model 1151, Or Equal per Specification Section 17200 Article 2.06.F.**
  - b. What pressure range will be necessary for the transmitters and the pressure gauges? **Calibrated pressure range for gauges shall be 0 to 5 psi above pump shutoff pressure per Specification Section 11300 Article 2.03.B.5. Instrument range for pressure transmitters shall be 0-300 psi. Calibrated range shall be 0 to 5 psi above shutoff pressure of pump. Reference Addendum 5 for changes to Contract Specifications.**
  - c. What is the required accuracy for the transmitters? **Accuracy shall be + or - 0.5% of calibrated range per Specification Section 17200 Article 2.06.B.**
  - d. What is the required output for the transmitter? **Output shall be 4-20 mA per Specification Section 17200 2.06.D.**
2. 10441-2.01A-3 states to provide laminated one-line diagrams as specified in Section 16196. Section 16196 has not been provided for this project. **Requirement does not apply to this project.**

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3. 10441-3.03B states to refer to Contract Drawing GDR-G-06 for the Major Equipment List. There is no drawing GDR-G-06 provided for this project. **Reference Addendum 5 for changes to Contract Specifications.**
4. I have an Electrical Subcontractor who would like to set up a site visit for either 3-25 or 3-26. If it is possible to visit the site either of those days, please let me know what day and time would work best for your staff. **No further site visits will be conducted prior to bid opening. No separate arrangements to visit the site will be made for those who missed the pre-bid meeting and subsequent site visit.**
5. Will the bid date remain on April 6 in light of the current health crisis? **See Addendum No. 4.**
6. Section 01540 Temporary Pumping; during the pre-bid meeting, much discussion centered around the poor condition of the force main and the need to protect against the temporary system exceeding 244 ft TDH at any time. While a system can be provided that meets this requirement during normal operations, there is concern about meeting this requirement during and emergency stop or shut down situation. Please clarify the following: Should the temporary by-pass system include a mechanical surge relief valve? Will the contractor be responsible for force main failures during the temporary pumping phase? If so, will data collection of maximum pressures (including surges) be required? **The temporary bypass pumping system shall include a mechanical surge relief valve initially set to open at a pressure of 105 psi. The discharge of the valve shall be routed back to the Flow Equalization Basin. Data collection of maximum pressures, including surges, will not be required. Reference Addendum 5 for changes to the Contract Specifications.**
7. Please provide influent flow data (this can be provided in an hourly format) for the headworks facility over a typical week of operation at the station. **Influent flow data not available in this format at this time.**
8. How long after start up of the new station should the temporary pumping system remain on site as a backup? **As noted in Specification Section 01010 Article 1.07.B.2, the temporary pumps shall remain connected and available for use until successful completion of Startup.**
9. Please provide a specification for pressure gages and annular seals- these are shown on the drawings but no specifications. **Specifications for pressure gauges and annular seals are provided in Section 11300 Articles 2.03.A through 2.03.D.**

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10. Please confirm that the County will perform the cleaning of the station suction line and associated support services at no cost to the contractor. **Calvert County Government shall provide all equipment and labor needed to clean the suction line. Some degree of cooperation/coordination with the Contractor shall, of necessity, be required**
11. Do material supplier's / wholesaler's contract value count 100% toward the MBE / WBE goals? **There are no MBE or WBE goals for this project.**
12. Section 16497, 2.02, C. specifies ATS is to have only two possible positions of normal or emergency. Drawing E004 and section 16497 appears to be specifying a delayed transition type ATS which typically does have a third time delay neutral position. Please clarify if ATS is to be delayed transition type with third time delay neutral position provided? **ATS shall be delayed transition type with pause in-between disconnecting from one power source and connecting to the other.**
13. Section 16497 2.05, H. mentions ATS is to have a switched neutral. Drawing E004 shows ATS is to be 3-pole only. Please clarify if ATS is to be 3-pole with solid neutral or 4-pole with a switched neutral per this item? **ATS shall be 3-pole with solid neutral. Neutral shall not be switched.**
14. Section 16497 2.06, I. makes mention of bypass/isolation and also section 3.04 A. mentions "bypass." Please clarify if ATS is meant to have bypass/isolation function for this project? Bypass/isolation is an expensive added feature for an ATS so we just want to make sure if it is required for this ATS for this job. **Bypass/Isolation ATS is not required.**
15. Our past experience on projects with this Engineer, is that they often perform Programming functions themselves. Please confirm that the System Integrator will be responsible for all Programming on this project. **Confirmed. The Control Systems Integrator (CSI) will be responsible for all PLC programming on this project. Reference Addendum 5 for changes to Contract Specifications.**
16. As it relates to Temporary Pumping, Please provide location guidance to bypass flow (suction and discharge points). **Additional requested Temporary Pumping details are provided in Questions and Answers/Clarifications 2 and Addendum 3.**
17. Please confirm that it is required to produce a training video as specified in Section 01640, paragraph 1.09 F. **Confirmed. It is required to provide a training video as specified in Section 01640 Article 1.09.F.**
18. Please specify the location of the gravity ventilator specified in Section 15940, paragraph 2.03. **Gravity ventilators are not required. Reference Addendum 5 for changes to Contract Documents.**

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19. Please provide a specification for the sidewall exhaust fans; Section 15870 appears to cover only the inline centrifugal fan. **Reference Addendum 5 for changes to Contract Specifications.**
20. Please provide the details on the size of electrical manholes/handholes required and a specification. Do they need to be precast? **Details are provided in Questions and Answers/Clarifications 2 and Addendum 3. Manholes shall be precast.**
21. Can the existing 2-ton hoist be used by the contractor during construction to move equipment and materials in and out of the pump station? **Response is still under review. Response will be provided under separate cover.**
22. Please clarify the location and extent of new sidewalk required; is the portion of sidewalk shown to be demolished on sheet C002 to be replaced? **No new sidewalk is required. The portion of sidewalk shown to be demolished on sheet C002 shall not be replaced.**
23. Please provide any soil borings of the proposed site. **No soil borings data is available.**
24. Can you tell me if your delivery options for the referenced bid will be modified due to the virus or are we still required to hand carry the bid due 4/6? **See Addendum 4. County has not provided additional delivery options at this time.**

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